

Safety Plate

Figure 1

Roof Contact Areas

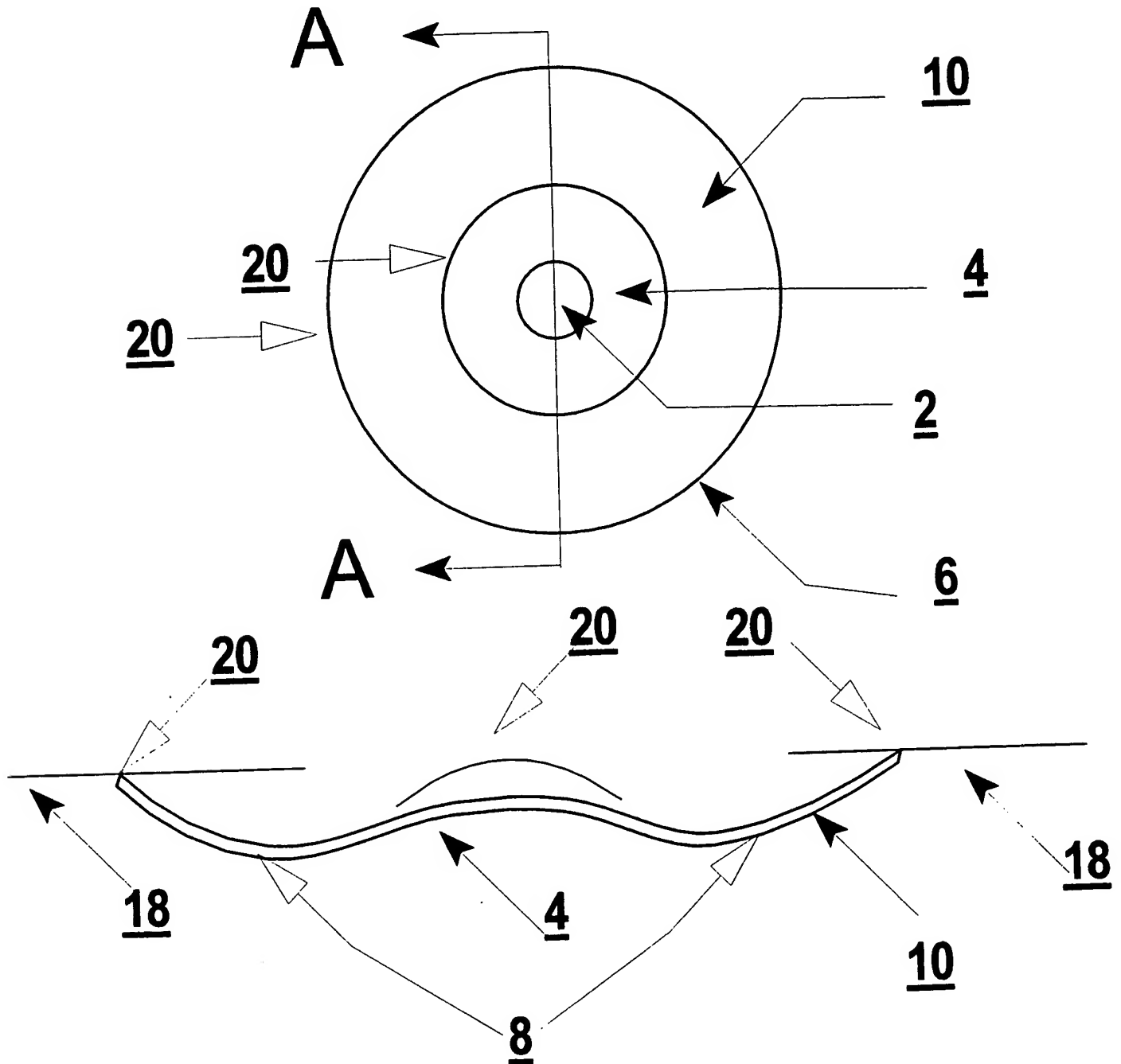
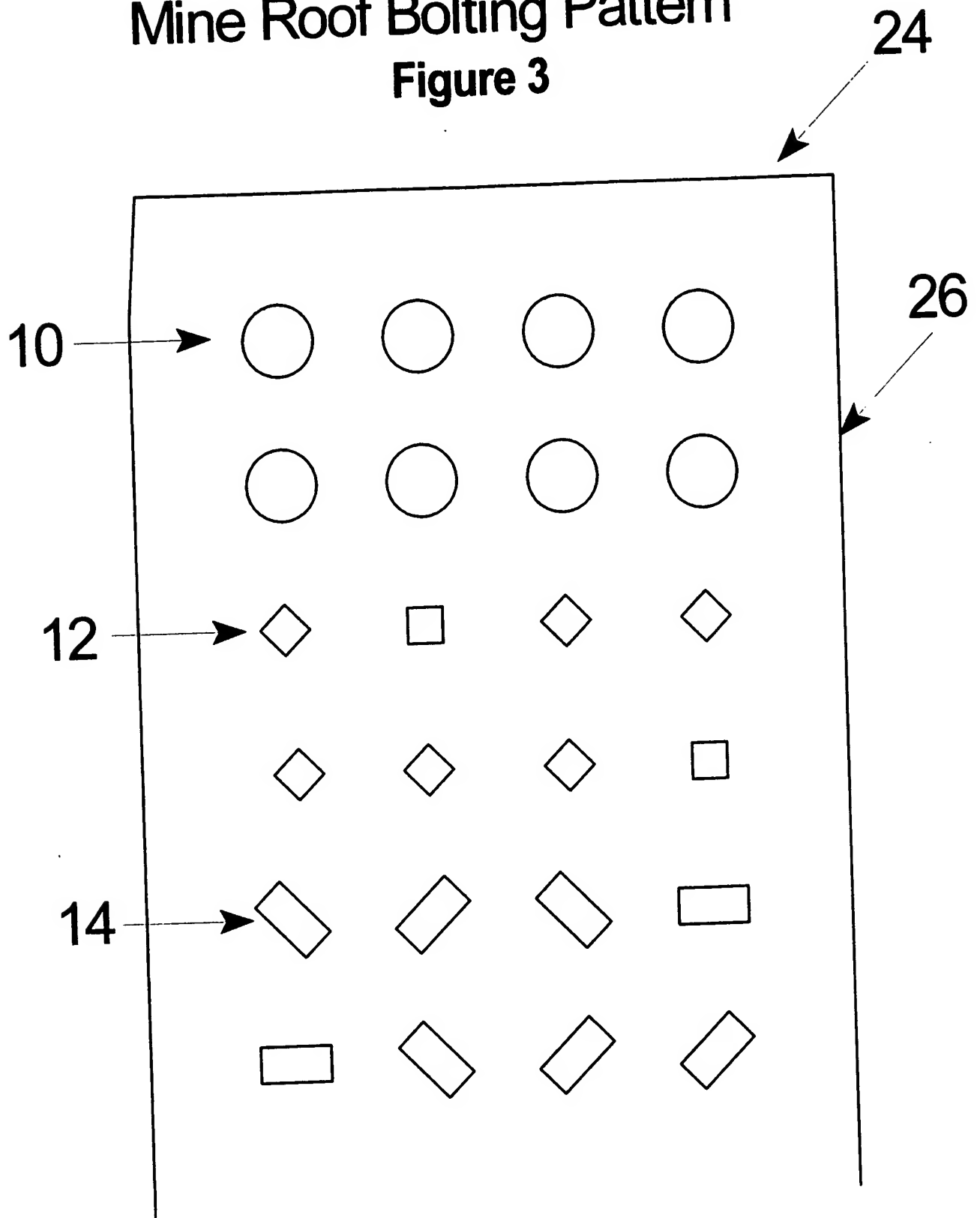


Figure 2

Section A-A

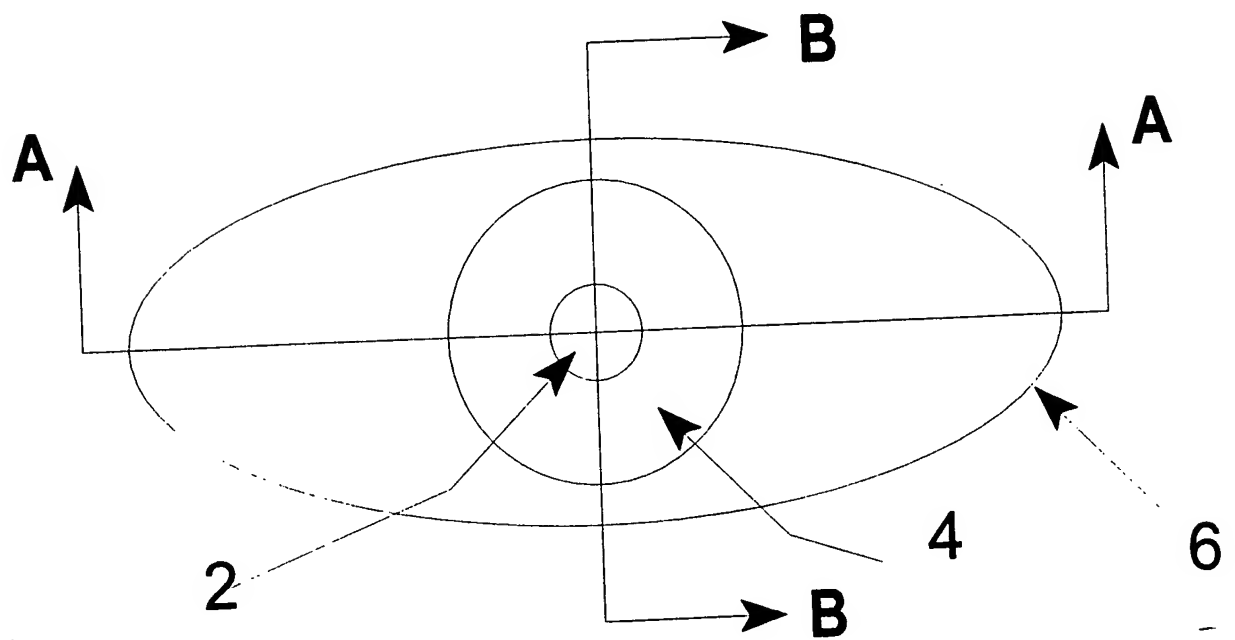
Mine Roof Bolting Pattern

Figure 3



Elliptical or Oval Shaped Plate

Figure 4



section A-A

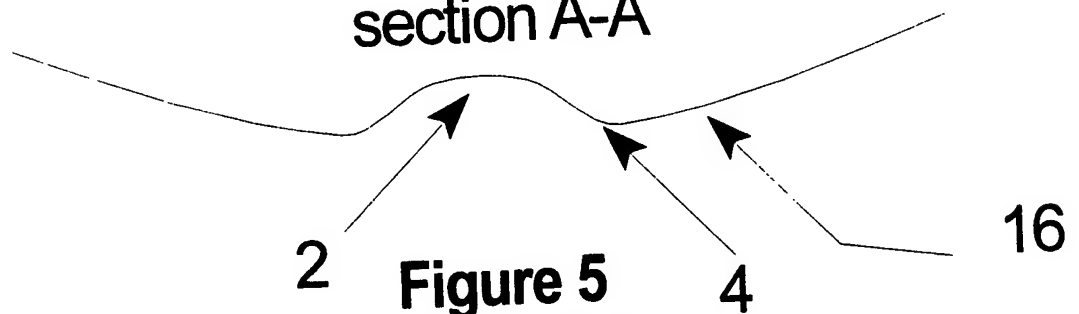
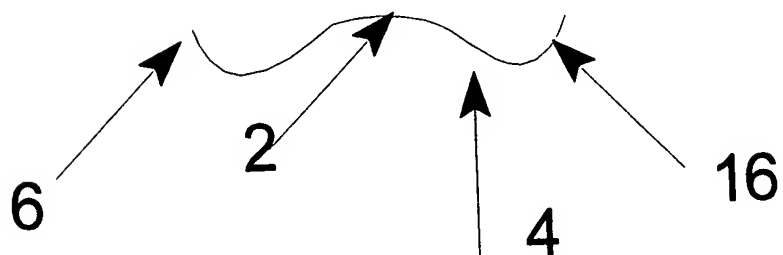


Figure 5
section B-B



Comparison of Roof Bolt Plates Installed Flat verses dome Figure 6

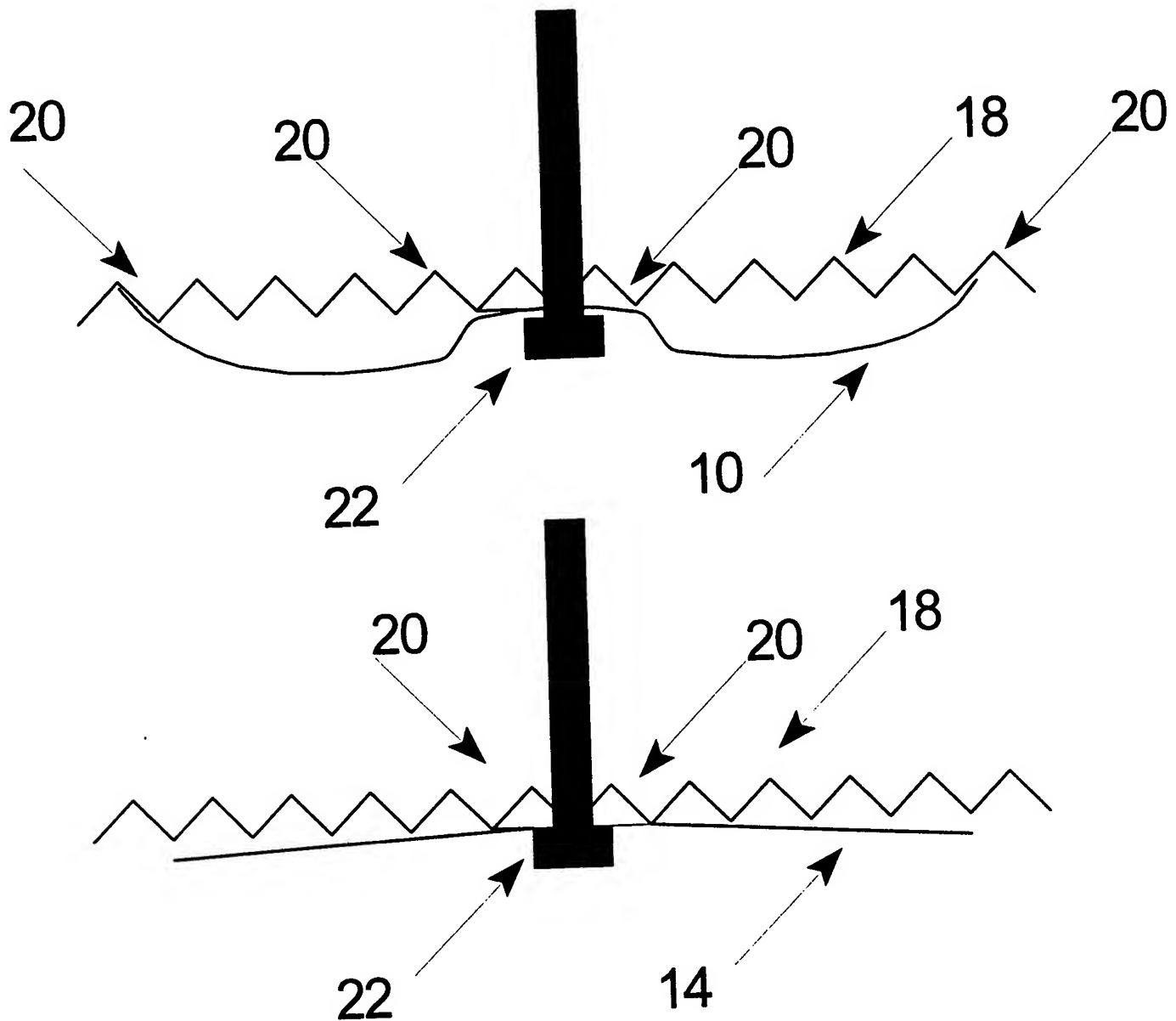


Figure 7

Plate Comparison When Compressed

Figure 8

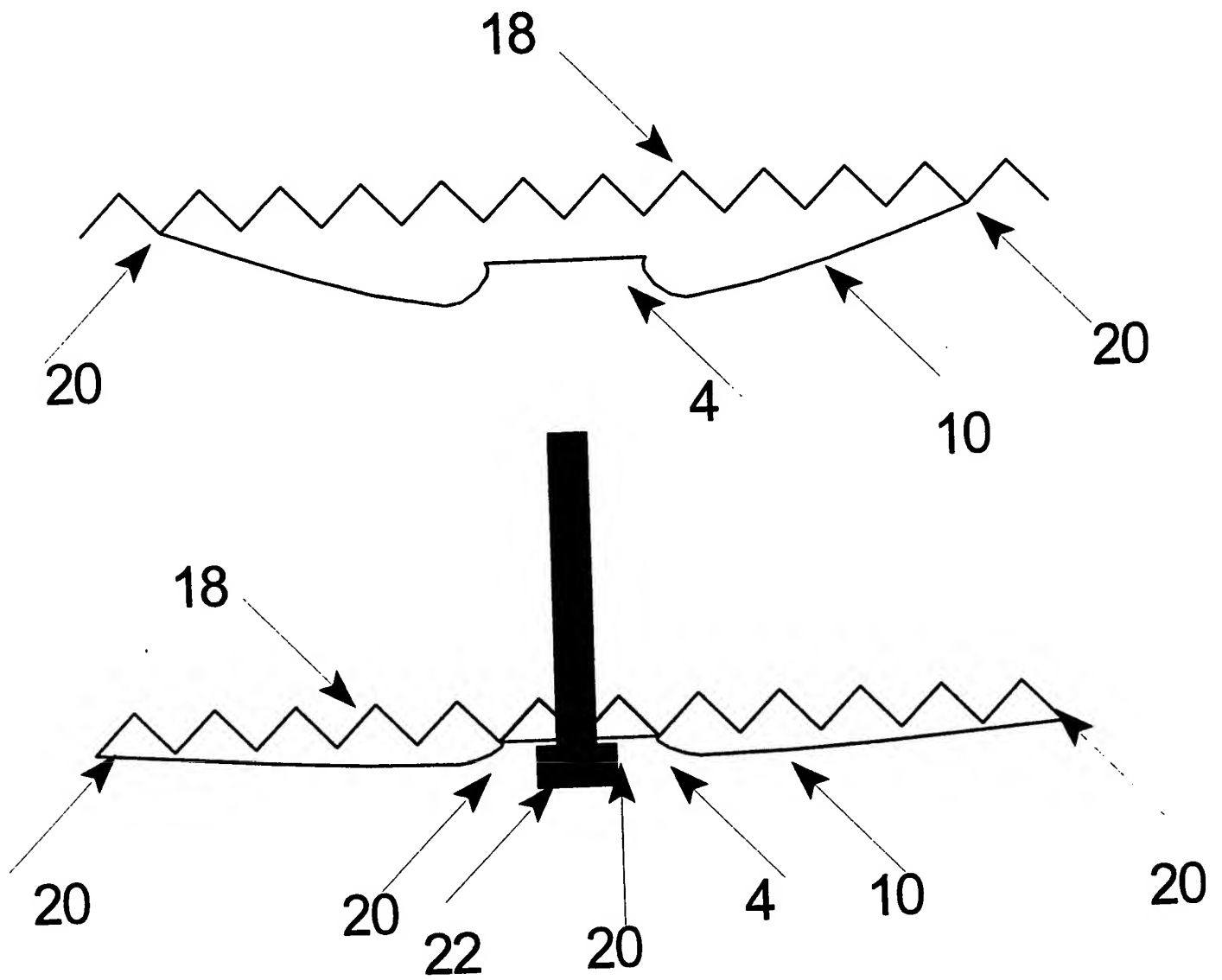


Figure 9

Safety Plate

Figure 10

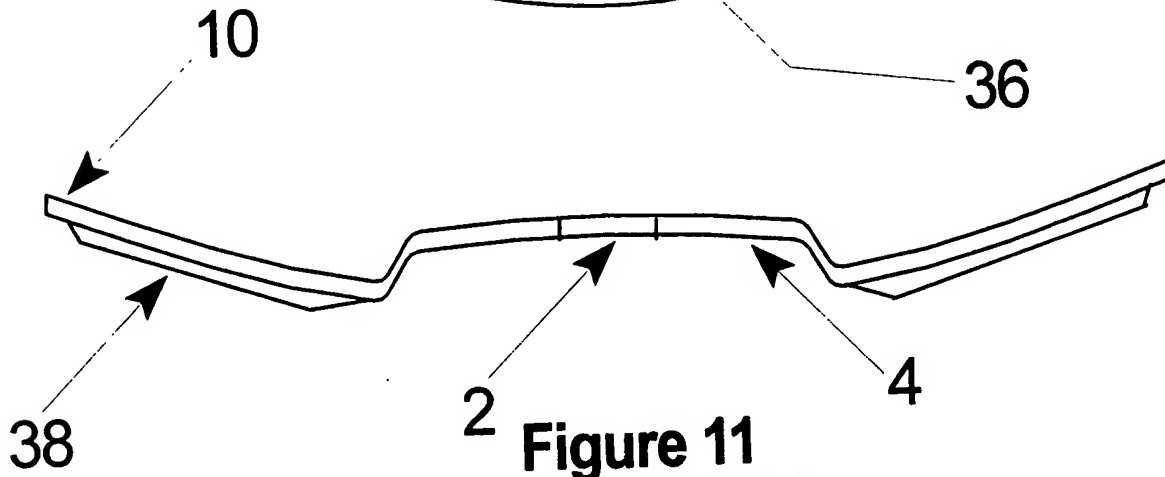
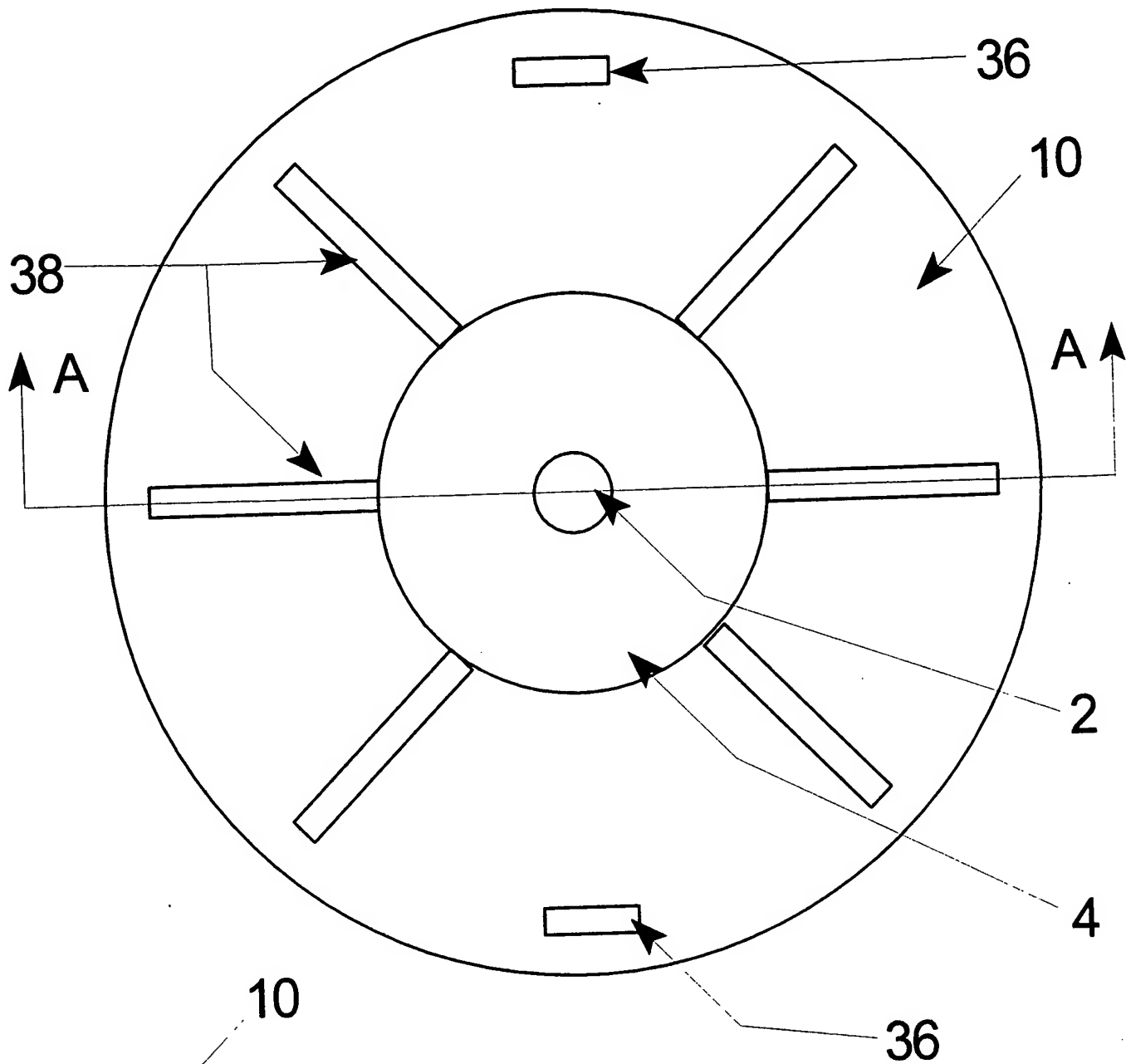
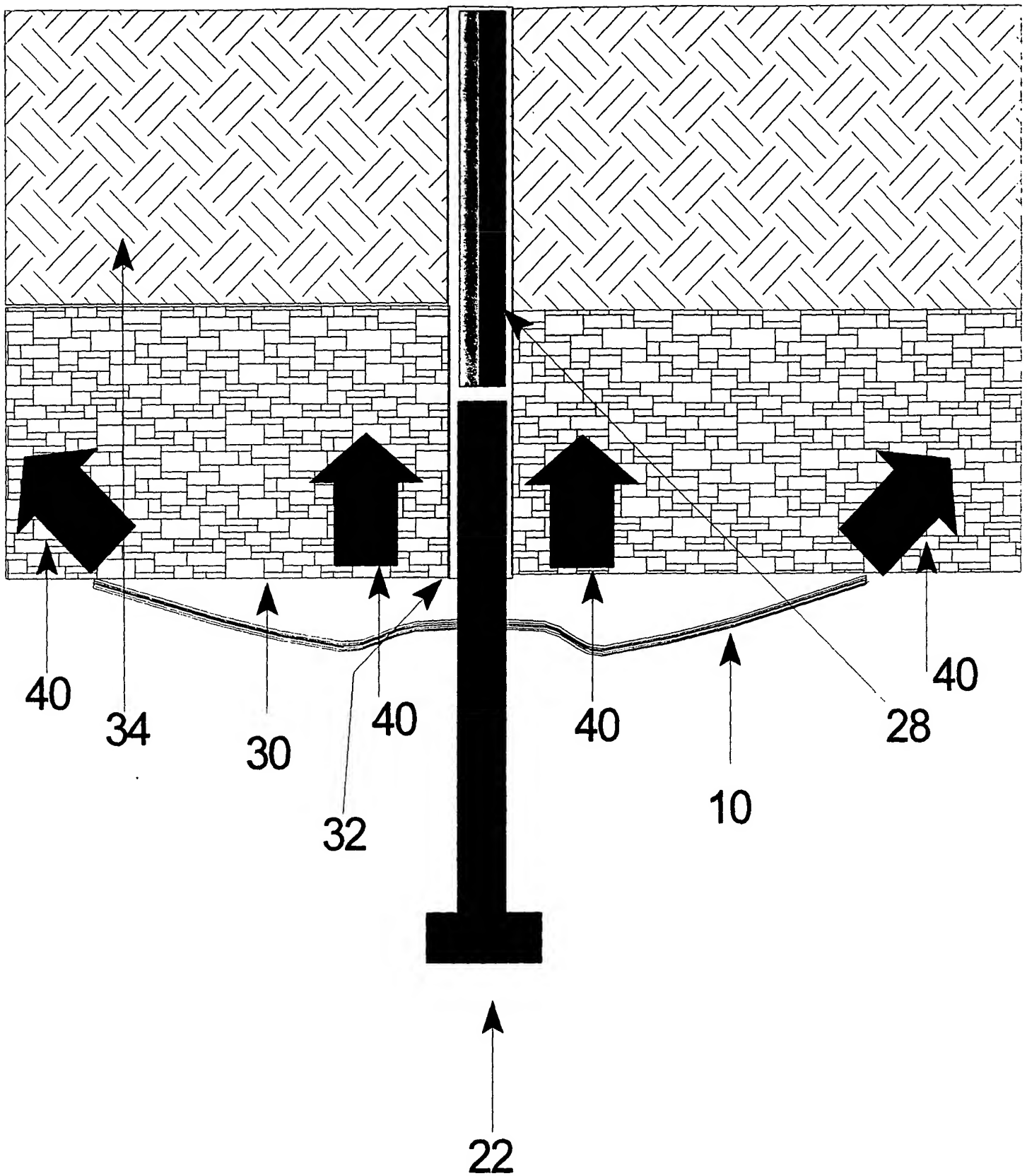


Figure 11
Section A-A
Strengthening Ribs

Figure 12



Roof Bolting Procedure
Not to scale

Figure 13

Directions of pressure on the mine roof

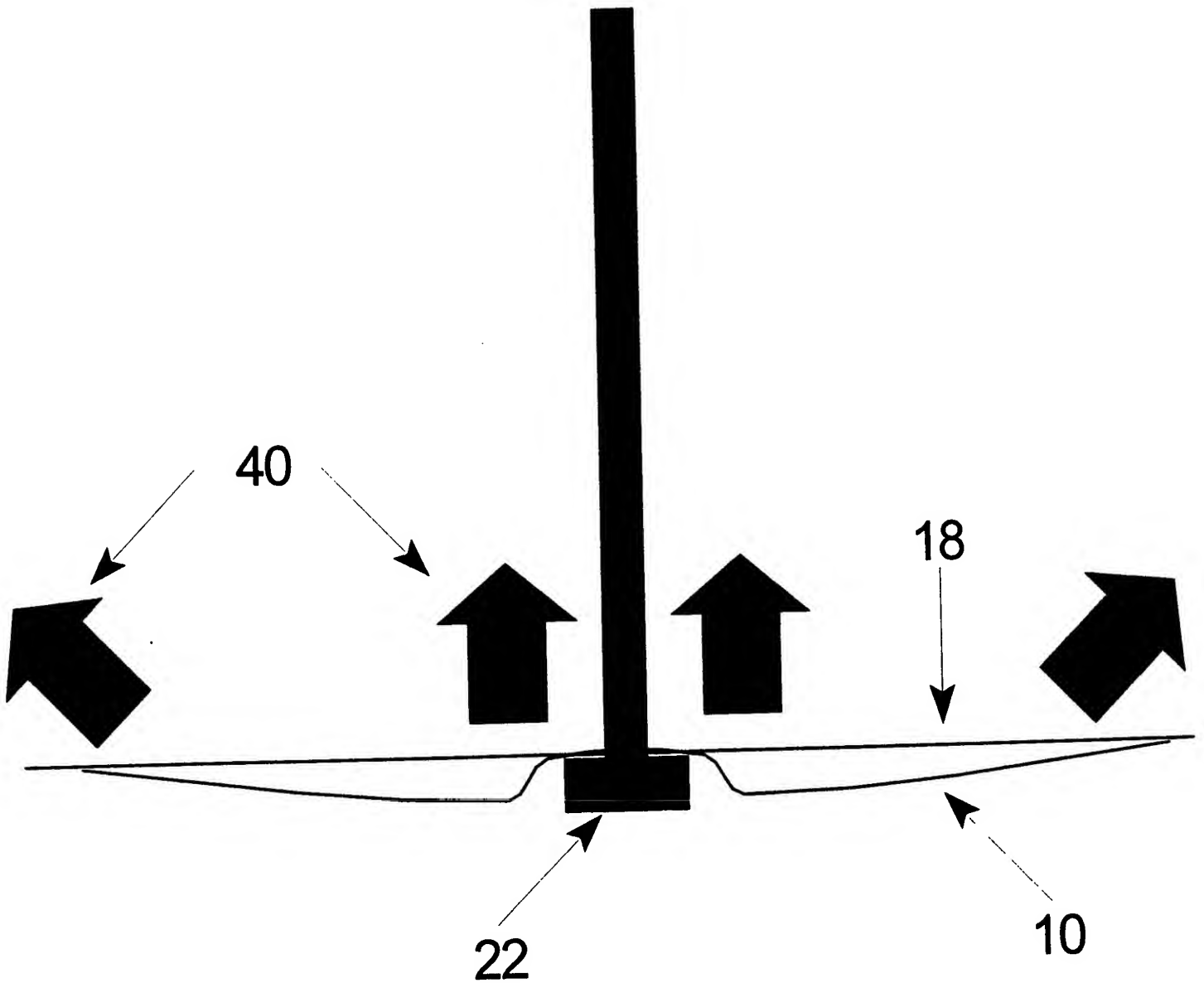


Figure 14

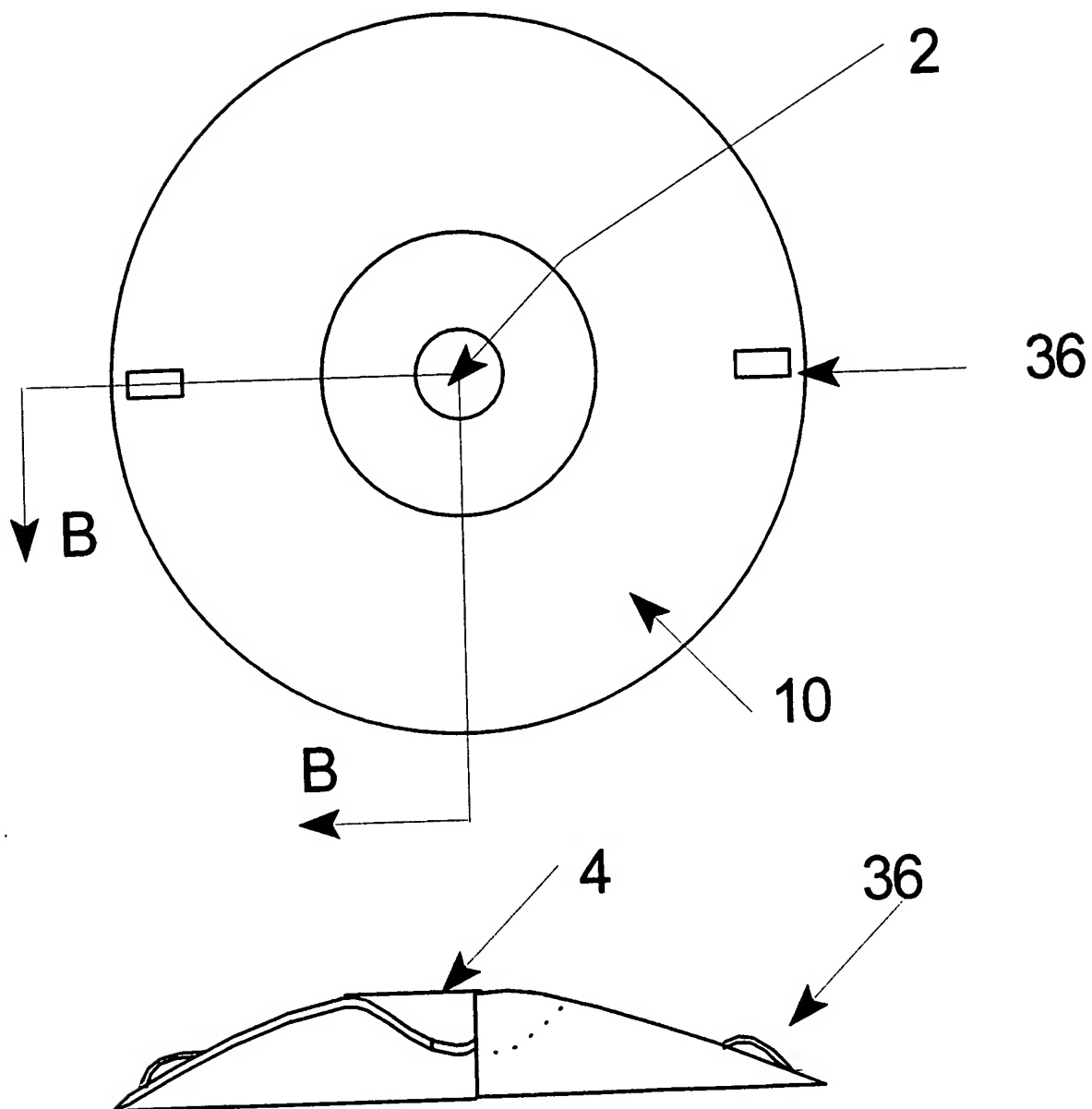


Figure 15
Section B-B